Project Name	**Aeroservices**
Category	Android Development
Frameworks and Tools	Android Studio, Firebase
Programming Languages	Java, PHP, JavaScript
Developer	Kamran Bashir https://kamranb.github.io/

Summary

In this project, a system was developed consisting of 3 Android applications, a web admin panel using Firebase as backend and a PHP application. The purpose of this system is to help the company manage their operational data and reports.

Authentication
Only company employee can log in the app. Their credentials are managed using Firebase's admin panel.

Data Entry
The employee can add, modify and delete records using 5 different, multiple page, data entry forms in which data is entered using text input fields, radio buttons, drop down lists, image from camera or gallery, user's current location and marking areas on an image. The data is validated using multiple checks based on given business logic before it's sent to Firebase database.

Pdf Reports
After adding a record, a pdf report is generated based on entered data and emailed to managers. The emails of managers are managed by admin using admin panel.
Managers can generate more than 10 pdf reports with data filtered based on time and few records of database (eg. customer name). Some data in the reports is as it is and some is calculated after performing complex operations on it based on given business logic. Some reports are generated using AS Manager Android app, some using Admin Panel and some are generated by PHP application hosted on the company's server automatically on daily and monthly basis.

Admin Panel
The web admin panel is a basic javascript app with Firebase's javascript sdk. It access the Firebase database and allows admin to apply different filters and view the data for analysis. It also allows the admin to modify entered records and some values used in app like the manager's emails, client's names that are used in drop down of Forms to entered data.

PHP application

A PHP application is also developed to automatically generate 5+ pdf reports and send them to concerned personnel on daily and monthly basis. This app also generates and save the daily backup of database on the company's server.

Important Links

Android Application

AS Operations   http://bit.ly/2lGRiM8

AS Manager   http://bit.ly/2mhEzzG

AS Crew   http://bit.ly/2mhEzzG

Admin Panel

Screenshots   http://bit.ly/2mh9VGD